

Cryogenics for ILC TA

- Current Status
- Plans and issues

Current Status

ILCTA MDB

- CapCav II CM conversion for 2K operation – **done, cool down to 1.8K**
- HTC cryogenics
 - Feed box - **done**
 - Pumping line - **done**
 - Supply transfer line – **95% complete**
 - Controls – **90%**
- Start the ILCTA_MDB vacuum pump commissioning – **done**
- Finish CTF purifier compressor commissioning – **done**

Current Status (cont'd)

ILCTA NML

- Finish NML refrigerator room cleanout – done
- Send Lab B Mycom compressor piping contract out for bid – done
- Send out a bid package for He storage tanks repair - done
- Send out a bid package for He purifier - done
- Install NML heat exchanger – done
- Refurbish FRICK compressor - done
- Finish LN2 bayonet can design – done
- Finish NML refrigerator room cleanout and move in equipment (valve box, engines, etc.) – done
- Finished construction of the LN2 bayonet can
- Finished construction of the Valve Box to H/X transfer line
- Completed wet and dry engines controls
- Frame work for the refrigerator controls is installed

Plans and issues

Plans

- Remove oil from the NML heat exchanger and the valve box
- Start Lab B Mycom compressor piping
- Install the Valve Box to heat exchanger transfer line
- Start NML heat exchanger piping work
- Finish the FRICK compressor testing
- Electrically connect UPS, wet and dry engines
- Start APACS crates assembly and installation
- Continue work on instrumentation and controls
- Continue mechanical design

Issues

- Resource availability